

IN THE CLAIMS:

Please amend Claims 1 to 54 as follows.

1. (Currently Amended) A moving image management apparatus for management of plural moving images recorded on a storage medium in correspondence with one or plural representative images, comprising:

a unit configured to record means for recording a representative image representing an arbitrary section or the whole of a moving image;

a unit configured to record means for recording information indicating the section or the whole of the moving image represented by the said representative image in correspondence with the said representative image; and

a unit configured to record means for recording information indicating a position of an image as a base of the said representative image in correspondence with the said representative image,

wherein in the case the of said representative image is designated by a user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected.

2. (Currently Amended) The moving image management apparatus according to claim 1, further comprising:

a unit configured to record means for recording information indicating a purpose of the said representative image as attribute information in correspondence with the said representative image; and

a unit configured to select means for selecting only the said representative image corresponding to the purpose based on the said attribute information.

3. (Currently Amended) The moving image management apparatus according to claim 2, when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

4. (Currently Amended) The moving image management apparatus according to claim 1, further comprising:

a unit configured to record means for recording information indicating a purpose of the said representative image as attribute information; and
a unit configured to classify means for classifying only the said representative image for each purpose based on the said attribute information.

5. (Currently Amended) The moving image management apparatus according to claim 4, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

6. (Currently Amended) The moving image management apparatus according to claim 2, wherein when the said information indicating the section or the whole of the moving image represented by the said representative image and the said attribute information are recorded on the storage medium, they are recorded by the said representative image in a particular continuous portion.

7. (Currently Amended) The moving image management apparatus according to claim 6, wherein when the said information indicating a position of an image as a base of the said representative image and the said representative image are recorded on the storage medium, they are recorded by representative image in a particular portion.

8. (Currently Amended) The moving image management apparatus according to claim 7, wherein the said particular portion is a continuous area on the storage medium.

9. (Currently Amended) The moving image management apparatus according to claim 7 or 8, wherein only significant information of the said information indicating a position of an image as a base of the said representative image and the said representative image is recorded in a portion for easy storage and access.

10. (Currently Amended) The moving image management apparatus according to claim 2 any one of claims 2 to 9, wherein in said unit configured to record means for recording information indicating a purpose of the said representative image as attribute information, the said attribute information is an identification number previously defined for purpose.

11. (Currently Amended) The moving image management apparatus according to claim 3, wherein said unit configured to select means for selecting only the said representative image corresponding to the purpose based on the said attribute information selects a representative image having said attribute information corresponding to a browsing operation,

and wherein said apparatus has a display unit that displays means for displaying the representative image,

further wherein application of function corresponding to the purpose to the selected section or the whole of the moving image is reproduction means for, when a desired representative image is designated from representative images displayed by said display unit means, reproducing a corresponding moving image based on section information added to the representative image.

12. (Currently Amended) The moving image management apparatus according to claim 2, wherein if an editing range is designated in a desired moving image, said unit configured to select means for selecting only the said representative image corresponding to the said purpose based on the said attribute information selects a representative image having the said attribute information corresponding to an editing operation and within the editing range, and

wherein said apparatus has a display unit that displays means for displaying the representative image within the said editing range.

13. (Currently Amended) The moving image management apparatus according to claim 3, wherein in a print operation to print a desired frame in a desired moving image, said unit configured to select means for selecting only the said representative image corresponding to the purpose based on the said attribute information selects a representative image having the said attribute information corresponding to the print operation from representative images corresponding to said desired moving image,

and wherein said apparatus has a display unit that displays means for displaying the representative image having the said attribute information corresponding to the print operation,

further wherein application of function corresponding to a designated purpose to the selected section or the whole of the moving image when a desired representative image is designated from representative images displayed by said display unit, means; is output processing means for, when a desired representative image is designated from representative images displayed by said display unit, means; referring to the information indicating a position of an image as a base of the said representative image, and outputting a desired frame for print output.

14. (Currently Amended) A moving image management apparatus for management of plural moving images recorded on a storage medium in correspondence with one or plural representative images, comprising:

a generation unit configured to generate generation means for generating a representative image representing an arbitrary section or the whole of a moving image;

a first recording unit configured to record means for recording information indicating the section or the whole of the moving image represented by the said representative image in correspondence with the said representative image; and

a second recording unit configured to record means for recording information indicating a position of an image as a base of the said representative image in correspondence with the said representative image.

15. (Currently Amended) The moving image management apparatus according to claim 14, further comprising:

an adding unit configured to add means for adding information indicating a purpose of the said representative image as attribute information;

a unit configured to record the means for recording said attribute information added by said adding unit means in correspondence with said representative image; and

a unit configured to select means for selecting only the said representative image corresponding to the purpose based on the said attribute information.

16. (Currently Amended) The moving image management apparatus according to claim 15, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

17. (Currently Amended) The moving image management apparatus according to claim 14, further comprising:

an adding unit configured to add means for adding information indicating a purpose of the said representative image as attribute information;

a unit configured to record means for recording the attribute information added by said adding means in correspondence with the said representative image; and

a unit configured to classify means for classifying only the said representative image for each purpose based on the said attribute information.

18. (Currently Amended) The moving image management apparatus according to claim 17, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

19. (Currently Amended) The moving image management apparatus according to claim 15, wherein when the said information indicating the section or the whole of the moving image represented by the said representative image and the said attribute information are recorded on the storage medium, they are recorded by representative image in a particular continuous portion.

20. (Currently Amended) The moving image management apparatus according to claim 19, wherein when the said information indicating a position of an image as a base of the said representative image and the said representative image are recorded on the storage medium, they are recorded by representative image in a particular portion.

21. (Currently Amended) The moving image management apparatus according to claim 20, wherein the said particular portion is a continuous area on the storage medium.

22. (Currently Amended) The moving image management apparatus according to claim 20 ~~or 21~~, wherein only significant information of the said information indicating a position of an image as a base of the said representative image and the said representative image is recorded in a portion for easily storage and access.

23. (Currently Amended) The moving image management apparatus according to claim 15 ~~any one of claims 15 to 22~~, wherein in said unit configured to record means for recording information indicating a purpose of the said representative image as attribute information, the said attribute information is an identification number previously defined for purpose.

24. (Currently Amended) The moving image management apparatus according to claim 16, wherein said unit configured to select means for selecting only the said representative image corresponding to the purpose based on said attribute information selects a representative image having the said attribute information corresponding to a browsing operation,

and wherein said apparatus has a display unit configured to display means for displaying the representative image,

further wherein application of function corresponding to the purpose to the selected section or the whole of the moving image is reproduction processing means for, when a desired representative image is designated from representative images displayed by said display unit means, reproducing a corresponding moving image based on section information added to the representative image.

25. (Currently Amended) The moving image management apparatus according to claim 15, wherein if an editing range is designated in a desired moving image, said unit configured to select means for selecting only the said representative image corresponding to the said purpose based on the said attribute information selects a representative image having the said attribute information corresponding to an editing operation and within the editing range,

and wherein said apparatus has a display unit configured to display means for displaying the representative image within the said editing range.

26. (Currently Amended) The moving image management apparatus according to claim 16, wherein in a print operation to print a desired frame in a desired moving image, said unit configured to select means for selecting only the said representative image corresponding to the purpose based on the said attribute information

selects a representative image having said the attribute information corresponding to the print operation from representative images corresponding to the said desired moving image,

and wherein said apparatus has a display unit configured to display means for displaying the representative image having the said attribute information corresponding to the print operation,

further wherein application of function corresponding to a designated purpose to the selected section or the whole of the moving image when a desired representative image is designated from representative images displayed by said display unit means, is output processing means for, when a desired representative image is designated from representative images displayed by said display unit means, referring to the information indicating a position of an image as a base of the said representative image, and outputting a desired frame for print output.

27. (Currently Amended) A moving image management method for management of plural moving images recorded on a storage medium in correspondence with one or plural representative images, comprising:

a step of recording a representative image representing an arbitrary section or the whole of a moving image;

a step of recording information indicating the section or the whole of the moving image represented by the said representative image in correspondence with the said representative image; and

a step of recording information indicating a position of an image as a base of the said representative image in correspondence with the said representative image,

wherein in the case the of said representative image is designated by a user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected.

28. (Currently Amended) The moving image management method according to claim 27, further comprising:

a step of recording information indicating a purpose of the said representative image as attribute information in correspondence with the said representative image; and

a step of selecting only the said representative image corresponding to the purpose based on the said attribute information.

29. (Currently Amended) The moving image management method according to claim 28, when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

30. (Currently Amended) The moving image management method according to claim 27, further comprising:

a step of recording information indicating a purpose of the said representative image as attribute information; and

a step of classifying only the said representative image for each purpose based on the said attribute information.

31. (Currently Amended) The moving image management method according to claim 30, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

32. (Currently Amended) The moving image management method according to claim 28, wherein when the said information indicating the section or the whole of the moving image represented by the said representative image and the said attribute information are recorded on the storage medium, they are recorded by representative image in a particular continuous portion.

33. (Currently Amended) The moving image management method according to claim 32, wherein when the said information indicating a position of an image as a base of the said representative image and the said representative image are recorded on the storage medium, they are recorded by representative image in a particular portion.

34. (Currently Amended) The moving image management method according to claim 33, wherein the said particular portion is a continuous area on the storage medium.

35. (Currently Amended) The moving image management method according to claim 33 ~~or 34~~, wherein only significant information of the said information indicating a position of an image as a base of the said representative image and the said representative image is recorded in a portion for easily storage and access.

36. (Currently Amended) The moving image management method according to claim 28 ~~any one of claims 28 to 35~~, wherein at said step of recording information indicating a purpose of the said representative image as attribute information, the said attribute information is an identification number previously defined for purpose.

37. (Currently Amended) The moving image management method according to claim 29, wherein at said step of selecting only the said representative image corresponding to the purpose based on the said attribute information, a representative image having the said attribute information corresponding to a browsing operation is selected,

and wherein said method has a display step of displaying the representative image,

further wherein application of function corresponding to the purpose to the selected section or the whole of the moving image is a reproduction step of, when a desired representative image is designated from representative images displayed at said display step, reproducing a corresponding moving image based on section information added to the representative image.

38. (Currently Amended) The moving image management method according to claim 28, wherein if an editing range is designated in a desired moving image, said step of selecting only the said representative image corresponding to the said purpose based on the said attribute information, a representative image having the said attribute information corresponding to an editing operation and within the editing range is selected,

and wherein the said method has a display step of displaying the representative image within said editing range.

39. (Currently Amended) The moving image management method according to claim 29, wherein in a print operation to print a desired frame in a desired moving image, at said step of selecting only the said representative image corresponding to the purpose based on the said attribute information, a representative image having the said attribute information corresponding to the print operation is selected from representative images corresponding to the said desired moving image,

and wherein said method has a display step of displaying the representative image having the said attribute information corresponding to the print operation,

further wherein application of function corresponding to a designated purpose to the selected section or the whole of the moving image when a desired representative image is designated from representative images displayed at said display step is an output step of, when a desired representative image is designated from representative images displayed at said display step, referring to the information indicating a position of an image as a base of the said representative image, and outputting a desired frame for print output.

40. (Currently Amended) A moving image management method for management of plural moving images recorded on a storage medium in correspondence with one or plural representative images, comprising:

a generation step of generating a representative image representing an arbitrary section or the whole of a moving image;

a first recording step of recording information indicating the section or the whole of the moving image represented by the said representative image in correspondence with the said representative image; and

a second recording step of recording information indicating a position of an image as a base of the said representative image in correspondence with the said representative image.

41. (Currently Amended) The moving image management method according to claim 40, further comprising:

an adding step of adding information indicating a purpose of the said representative image as attribute information;

a step of recording the said attribute information added at said adding step in correspondence with the said representative image; and

a step of selecting only the said representative image corresponding to the purpose based on the said attribute information.

42. (Currently Amended) The moving image management method according to claim 41, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

43. (Currently Amended) The moving image management method according to claim 40, further comprising:

an adding step of adding information indicating a purpose of the said representative image as attribute information;

a step of recording the attribute information added in by said adding step means in correspondence with the said representative image; and

a step of classifying only the said representative image for each purpose based on the said attribute information.

44. (Currently Amended) The moving image management method according to claim 43, wherein when the said representative image is designated by the user, it is interpreted that the section or the whole of the moving image represented by the representative image is selected, and a function corresponding to the purpose is applied to the selected section or the whole of the moving image.

45. (Currently Amended) The moving image management method according to claim 15, wherein when the said information indicating the section or the whole of the moving image represented by the said representative image and the said attribute information are recorded on the storage medium, they are recorded by representative image in a particular continuous portion.

46. (Currently Amended) The moving image management method according to claim 45, wherein when the said information indicating a position of an image as a base of the said representative image and the said representative image are recorded on the storage medium, they are recorded by representative image in a particular portion.

47. (Currently Amended) The moving image management method according to claim 46, wherein the said particular portion is a continuous area on the storage medium.

48. (Currently Amended) The moving image management method according to claim 46 or 47, wherein only significant information of the said information

indicating a position of an image as a base of the said representative image and the said representative image is recorded in a portion for easily storage and access.

49. (Currently Amended) The moving image management method according to claim 41 ~~any one of claims 41 to 48~~, wherein at said step of recording information indicating a purpose of the said representative image as attribute information, the said attribute information is an identification number previously defined for purpose.

50. (Currently Amended) The moving image management method according to claim 42, wherein at said step of selecting only the said representative image corresponding to the purpose based on the said attribute information, a representative image having the said attribute information corresponding to a browsing operation is selected,

and said method has a display step of displaying the representative image, further wherein application of function corresponding to the purpose to the selected section or the whole of the moving image is a reproduction step of, when a desired representative image is designated from representative images displayed at said display step, reproducing a corresponding moving image based on section information added to the representative image.

51. (Currently Amended) The moving image management method according to claim 41, wherein if an editing range is designated in a desired moving image, at said step of selecting only the said representative image corresponding to the purpose based on the said attribute information, a representative image having the said attribute information corresponding to an editing operation and within the editing range is selected,

and wherein said method has a display step of displaying the representative image within the said editing range.

52. (Currently Amended) The moving image management method according to claim 42, wherein in a print operation to print a desired frame in a desired moving image, at said step of selecting only the said representative image corresponding to the purpose based on the said attribute information, a representative image having the said attribute information corresponding to the print operation is selected from representative images corresponding to the said desired moving image,

and wherein said method has a display step of displaying the representative image having the said attribute information corresponding to the print operation,

further wherein application of function corresponding to a designated purpose to the selected section or the whole of the moving image when a desired representative image is designated from representative images displayed at said display step, is an output step for, when a desired representative image is designated from representative images displayed at said display step, referring to the information indicating a position of an image as a base of the said representative image, and outputting a desired frame for print output.

53. (Currently Amended) A storage medium holding a control program for executing the moving image management method according to claim 27 any one of claims 19 to 36 by a computer.

54. (Currently Amended) A control program for executing the moving image management method according to claim 27 any one of claims 19 to 36 by a computer.